



05/16/2005

12:13

4084337460 LSI LOGIC → 917037464000

NO. 381

P002

## PART B - FEE(S) TRANSMITTAL

MAY 16 2005

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000

or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

24319

7590

03/16/2005

LSI LOGIC CORPORATION  
1621 BARBER LANE  
MS: D-106  
MILPITAS, CA 95035

Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Manu Kashyap

(Depositor's name)

*[Signature]*  
May 16, 2005

(Signature)

(ID)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,074	07/14/2003	Pradip Patel	03-0580/LSIIP226	7110

TITLE OF INVENTION: SEMICONDUCTOR PACKAGE HAVING A THERMALLY AND ELECTRICALLY CONNECTED HEATSPREADER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	06/16/2005
EXAMINER		ART UNIT	CLASS-SUBCLASS		
WILLIAMS, ALEXANDER O		2826	257-712000		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list:

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Beyer Weaver Thomas

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

LSI Logic Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Milpitas, California USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment Deposit Account Number 12-2252 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Henry Groth*

Date

5/16/2005

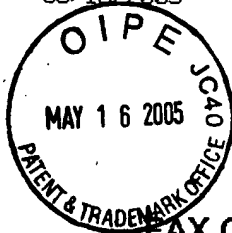
Typed or printed name

Henry Groth

Registration No. 39,696

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 14 Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



LSI LOGIC

## FAX COVER SHEET

LSI LOGIC CORPORATION  
Office of General Counsel  
1551 McCarthy Boulevard  
M/S D-106  
Milpitas, CA 95035  
Fax: (408) 433-7770

Date: May 16, 2005  
To Name: USPTO - BOX ISSUE  
Fax: 703-746-4000  
Phone: 703-305-8283

From: Name: Manu Kashyap, Intellectual Property Paralegal  
Corporate Legal Dept.  
Telephone: (408) 433-7475  
Fax: (408) 433-7460  
Re: 10/620,074

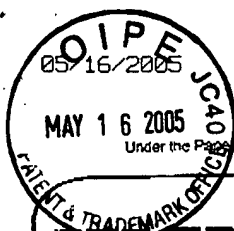
Number of Pages Including this Page 3

This facsimile transmission is intended for the addressee indicated above. It may contain information that is privileged, confidential or otherwise protected from disclosure. Any review, dissemination or use of this transmission or its contents by persons other than the addressee is strictly prohibited. If you have received this transmission in error, please notify us immediately by telephone, and mail the original to us at the above address.

MESSAGE:

Docket Number: 03-0580  
Filing Date: July 14, 2003  
Serial Number: 10/620,074  
Group Art Unit: 2826  
Box: Issue Fee Payment

Please notify us immediately if any pages are not received.



05/16/2005

12:13

4084337460 LSI LOGIC → 917037464000

NO.381 0003

MAY 16 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 9/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL**

Patent Fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. 1.27 and 1.28.

**TOTAL AMOUNT OF PAYMENT**

(\$1400.00)

Complete if Known

Application Number	10/620,074
Filing Date	July-14, 2003
First Named Inventor	Pradip Patel
Group Art Unit	2826
Examiner Name	Alexander O. Williams
Attorney Docket No.	LSI1P226 / 03-0580

**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit Account Number

12-2252

Deposit Account Number

LSI LOGIC CORPORATION



Charge Any Additional Fee required Under 37



Charge the Issue Fee Set in 37 C.F.R. 1.18 at the Mailing of the Notice of

- 2.
- ☐
- Payment Enclosed:



Chec



Money Order



Other

**FEE CALCULATION****1. BASIC FILING FEE**

Larg eFee Code (\$)	Entit yFee (\$)	Larg eFee Code (\$)	Entit yFee (\$)	Fee Description
101	790	201	395	Utility filing fee
106	330	206	165	Design filing fee
107	540	207	270	Plant filing fee
108	790	208	395	Reissue filing fee
114	150	214	75	Provisional Filing fee

Fee Paid

**SUBTOTAL (1) (\$0.00)****2. EXTRA CLAIM FEES**

Total claim	Extra Claim	Fee from below	Fee Paid
Independent Claims	-20**=		
Multiple Dependent	-3**=		

\*\*or number previously paid, if greater; For Reissues, see below

Larg eFee Code (\$)	Entit yFee (\$)	Larg eFee Code (\$)	Entit yFee (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$0.00)****3. ADDITIONAL FEES**

Larg eFee Code (\$)	Entit yFee (\$)	Larg eFee Code (\$)	Entit yFee (\$)	Fee Description
105	130	205	65	Surcharge - late filing fee or oath
127	50	227	25	Surcharge - late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing request for reexamination
112	920*	112	920	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	400	216	200	Extension for reply within second month
117	950	217	475	Extension for reply within third month
118	1510	218	755	Extension for reply within fourth month
128	2,080	228	1,030	Extension for reply within fifth month
119	310	219	155	Notice of Appeal
120	310	220	155	Filing a brief in support of an appeal
121	270	221	135	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive - unavoidable
141	1,320	241	660	Petition to revive - unintentional
142	1,320	242	660	Utility issue fee (or reissue)
143	450	243	225	Design issue fee
144	670	244	335	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Petitions related to provisional application
126	240	126	240	Submission of Information Disclosure Statement
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129)
149	790	249	395	For each additional invention to be examined (37 CFR 1.129 (b))

Other fee (specify)

PUBLICATION FE

Other fee (specify)

**SUBTOTAL (3) (\$1400.00)**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY**

Typed or printed name

Henry Groth

Signature

Date

5/16/2005

Reg. Number

39,696

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO : Assistant Commissioner for Patents, Washington, DC 20231